



GUIDANT

Fusion4 Portal

Connect, communicate, and empower remote operations



Remote Control for Fusion4 Devices

The Fusion4 Portal suite enriches the Fusion4 user experience, building on the capabilities of the most advanced family of hazardous area additive, blending, and loading controllers. The Fusion4 Portal cuts through complexity to optimize your assets and drive value to the operation. The Fusion4 Portal helps you to improve efficiency, ensure quality, and eliminate risk—all straight out of the box. Install it and take Fusion4 to the next level.

Connect with Auto-Discover

Connect up to 50 Fusion4 devices or 250 streams, all managed from a single PC. With support for serial and Ethernet communications, the Portal's Auto-Discover feature ensures devices are quickly detected and connected. The diagnostics feature displays your device's health, input/output status, and other key indicators.

Configure with Ease

Set up and support devices without leaving your control room. The Configure module enables you to upload, download, copy, and paste device settings from the Portal's dashboard. Providing quick uploading and storage of configuration files and authorization databases, the Configure module delivers rapid, secure commissioning while supporting ongoing maintenance of Fusion4 devices.

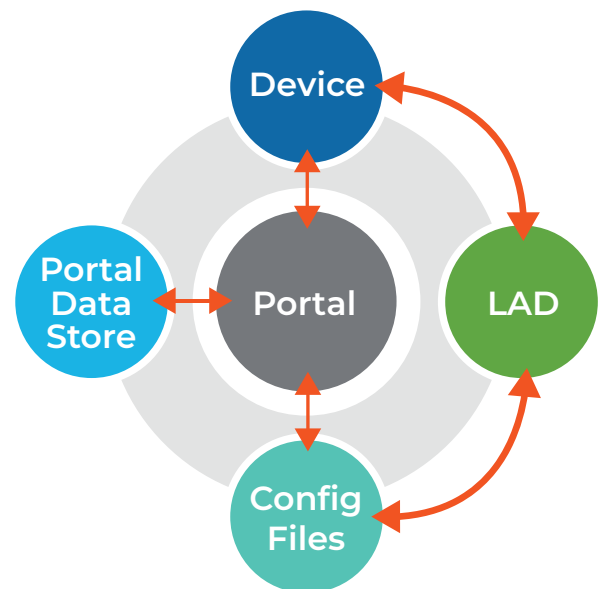
Monitor with Efficiency

The Monitor module with Live Viewer displays device operation screens in real time. It also provides an audit trail of every device transaction to simplify compliance and reconciliation. With alarms, communications monitoring, and a unified management panel for rapid identification of faults, the Monitor module increases safety and promotes efficiency to keep your operations moving.

Print with Compliance

Ensure compliance, security, and traceability with the Fusion4 Portal's Print module. Reduce waiting times and bottlenecks for drivers while slashing the burden of paperwork by automating the saving or printing of Measurement Instrument Directive (MID) compliant bills of lading.

Simple, intuitive, and powerful, the Fusion4 Portal continuously communicates with your Fusion4 devices to provide a unified view of all your devices for centralized analysis and control.

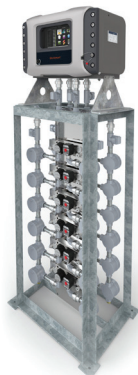


The Essential Collection

Simplify operating your Fusion4 devices with the Fusion4 Portal's Install, Connect, Configure, Monitor, and Print BOL modules, all from your control room using a single, integrated dashboard for faster, smarter, and more efficient operations.



Fusion4 MSC-L



Fusion4 MSC-A



Fusion4 SSC-A



Fusion4 SSC-B



LAD

Hardware and Software Requirements

Minimum Hardware Requirements

HARDWARE	DESCRIPTION
Processor	Intel Xeon Quad Core
RAM Memory	8 gigabytes (GB)
Hard Disk	250 GB hard disk, 7,200 revolutions per minute (rpm) (for archiving and storing bills of lading (BOLs))
Video Resolution	1,080 x 800 pixels
Keyboard	Standard QWERTY layout
Mouse	Universal Serial Bus (USB) mouse
Serial Port	One or two (recommended) RS-232 ports or RS-485 ports
USB Port	Minimum of three USB ports
Network Interface	10 or 100 megabits per second (Mbps) integrated Ethernet network interface card
Printer	The printer should detect: <ul style="list-style-type: none"> · Out of paper · Limited available ink · Communication failure between personal computer (PC) and printer The printer should support A4 or letter paper sizes.

Minimum Software Requirements

HARDWARE	DESCRIPTION
Operating System	Microsoft Windows 10 Professional 64 Bit

Technical Specifications

Approvals	MID: OIML R117-1 Edition 2007 (E) Dynamic Measuring Systems for Liquids other than water
Media	CD-ROM/electronic download
Installation	End user or Guidant-trained personnel
Serial Protocol	FlexConn RS485
Ethernet Protocol	FlexConn TCP/IP
Languages	English (US and UK), French, German, Spanish, Dutch, Mandarin (simplified), Japanese, Polish, Italian, Portuguese, Swedish, and Hindi
Compatible Devices	Fusion4 SSC-A, Fusion4 SSC-B, Fusion4 MSC-A, and Fusion4 MSC-L
Max Connections	Up to 50 devices or up to 250 streams
License Requirement	<ul style="list-style-type: none"> · Email address required with order · Hyperlink will be sent to license the Fusion4 Portal during installation · PC physical medium access control (MAC) address is required for license email

Technical Features

	PRINT	MONITOR	CONFIGURE	OPC
Serial Connectivity	■	■	■	■
Ethernet Connectivity	■	■	■	■
Up to 10 Devices	■	■	■	■
Up to 50 Devices	■	■	■	■
Auto-Discover Devices	■	■	■	■
Localization (13 Languages)	■	■	■	
View Device Diagnostic Dashboard	■	■	■	■
View Device System Health	■	■	■	■
Construct Site Database	■	■	■	■
Fusion4 SSC-A Support	■	■	■	
Fusion4 SSC-B Support	■	■	■	
Fusion4 MSC-A Support	■	■	■	
Fusion4 MSC-L Support	■	■	■	
1010CB Support	■			■
Transaction Printing	■			
BOL Printing	■			
BOL Archiving	■			
BOL Customization	■			
MID Approved	■			
Print on Demand	■			
Scheduled Printing	■			
Summary Reports	■			
Transaction Monitoring		■		
Transaction Search		■		
Alarm Monitoring		■		
Alarm Management		■		
Comms Monitoring		■		
LIVE Viewer		■		
Event Log		■		
Create New Configuration Files			■	
Modify Configuration Files			■	
Send Configuration Files to Device			■	
Import/Export Configuration Files to Device			■	
Archive Configuration Files			■	
Create Authorization Databases			■	
Modify Authorization Databases			■	
Send Authorization Databases			■	
Retrieve Authorization Databases			■	
Archive Authorization Databases			■	
Multi-Client OPC Server - 1010CB				■

Model Code

The following guide defines the correct product for a given application and the respective model code. This code is part of the product's ordering information and should be included in purchase orders.

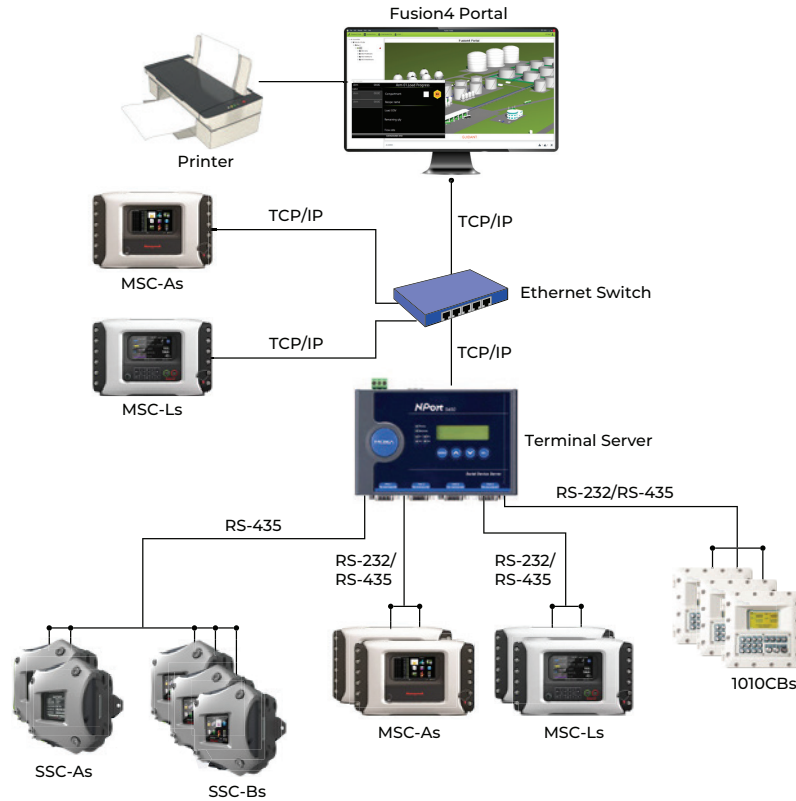
CV 1 - 3	MODEL SELECTION GUIDE (MSG)
F	Fusion4 Portal
4	
P	
FUSION4 PORTAL SOFTWARE SUITE	
CV 4	NUMBER OF FIELD DEVICES
S	Up to 10 devices
L	Up to 50 devices
*	Upgrade (select CV 10 as U)
CV 5	PRINTING MODULE
U	Transaction and BOL printing
X	Transaction and BOL printing – EU MID Compliant (OIML R117-1)
N	Not required
*	Upgrade (select CV 10 as U)
CV 6	CONFIGURATION MODULE
C	Remote device configuration
N	Not required
*	Upgrade (select CV 10 as U)
CV 7	MONITORING MODULE
M	Real-time transaction and arm monitoring including Live Viewer
N	Not required
*	Upgrade (select CV 10 as U)
CV 8	OPC INTERFACING (LEGACY 1010CB AND DEVICE SCREEN VIA OPC)
V	Multiple Client OPC Servers
N	Not required
*	Upgrade (select CV 10 as U)
CV 9	REMOTE ACCESS
N	Reserved for Future purpose; not currently available
*	Upgrade (select CV 10 as U)
CV 10	UPGRADE
N	New Fusion4 Portal Ordering
U	Fusion4 Portal upgrade (previous license number and PC MAC required)

Sample Fusion4 Portal Model Code

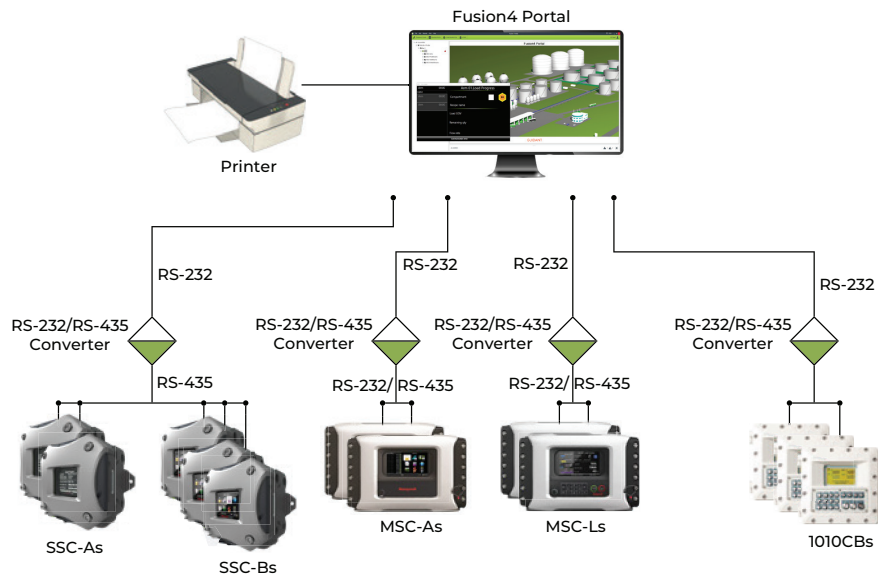
1	2	3	4	5	6	7	8	9	10
F	4	P	L	X	C	M	V	N	N

Network Topology Drawings

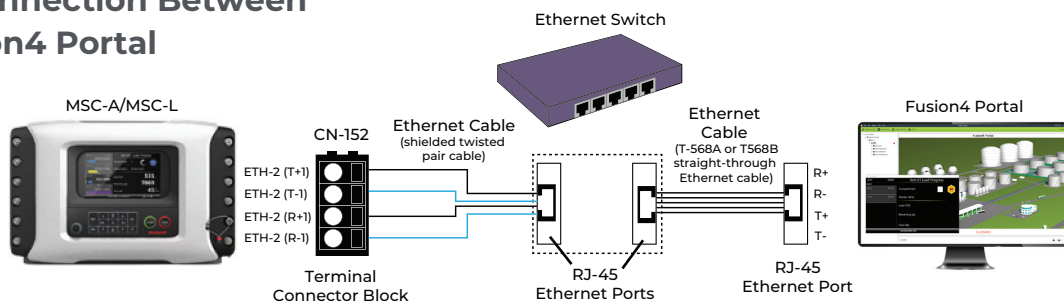
Ethernet Network Topology with Terminal Server



Serial Network Topology



Ethernet Connection Between MSC & Fusion4 Portal



About Guidant

As the undisputed leader in liquid and gas custody transfer solutions with the largest global install base, Guidant's legacy is built on more than 90 years of expertise, accuracy, reliability, and best-in-class technologies. We are a private company focused on the measurement solutions business, serving emerging and established energy markets across the globe.

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